EXPERIMENT 4

AIM : Size and cost estimation of your project

FP METHOD

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Components | Simple | | Average |  | Complex | | Total |
| Count | W.F | Count | W.F | Count | W.F |  |
| Input Items | 7 | \*3 | 3 | \*4 | 0 | \*6 = | 33 |
| Output items | 6 | \*4 | 2 | \*5 | 1 | \*7 = | 41 |
| Inquiry | 10 | \*3 | 0 | \*4 | 0 | \*6 = | 30 |
| Master Files | 4 | \*7 | 1 | \*10 | 0 | \*15 = | 38 |
| Interfaces(external) | 1 | \*5 | 0 | \*7 | 0 | \*10 = | 5 |
| TOTAL |  |  |  |  |  |  |  |

UFP = ∑UC = 147

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| SR No. | Technical Complexity Factor | 0 | 1 | 2 | 3 | 4 | 5 |
| 1 | Data Communication |  |  |  | 1 |  |  |
| 2 | Distributed Data Processing |  |  | 1 |  |  |  |
| 3 | Performance Criteria |  |  |  |  | 1 |  |
| 4 | Heavily Utilized Hardware | 1 |  |  |  |  |  |
| 5 | High Transaction Rate |  |  |  |  |  | 1 |
| 6 | Online Data Entry |  |  |  |  |  | 1 |
| 7 | End-user Efficiency |  |  |  |  |  | 1 |
| 8 | Online Updating |  |  |  |  | 1 |  |
| 9 | Complex Computations |  | 1 |  |  |  |  |
| 10 | Reusability |  |  |  |  | 1 |  |
| 11 | Ease of Installation |  |  |  |  |  | 1 |
| 12 | Ease of Operation |  |  |  |  |  | 1 |
| 13 | Portability |  |  |  | 1 |  |  |
| 14 | Maintainability |  |  |  | 1 |  |  |
|  | Total | 0 | 1 | 2 | 9 | 12 | 25 |

TC = ∑ TCi = 49

AFP = UFP \* ( 0.65 + 0.01 \* TC )

= 214 \* ( 0.65 + 0.01 \* 49 )

=244(approx.)